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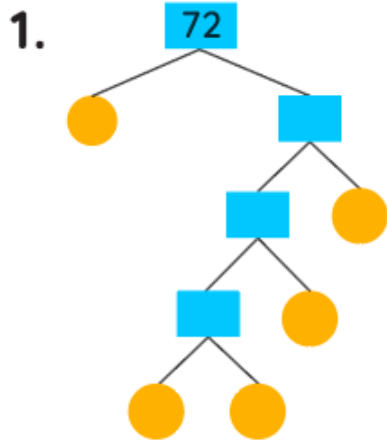


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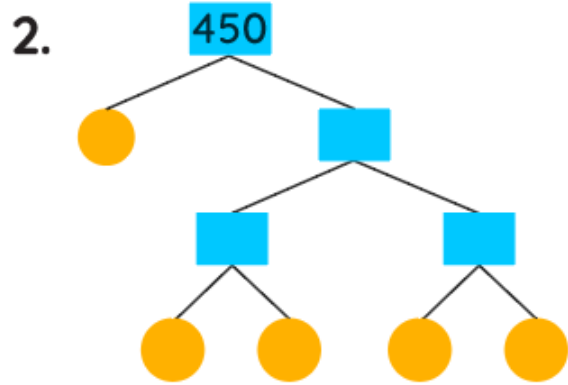
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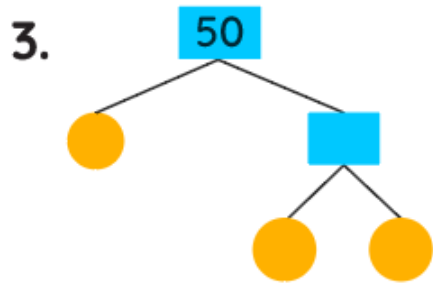
Find the prime factors of the numbers using the factor tree. Write the prime factors in the circles.



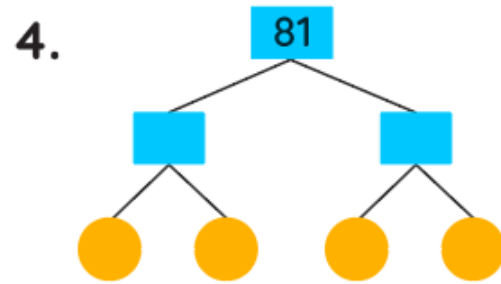
72 = \_\_\_\_\_



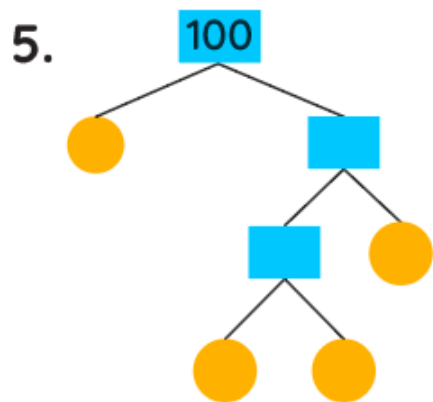
450 = \_\_\_\_\_



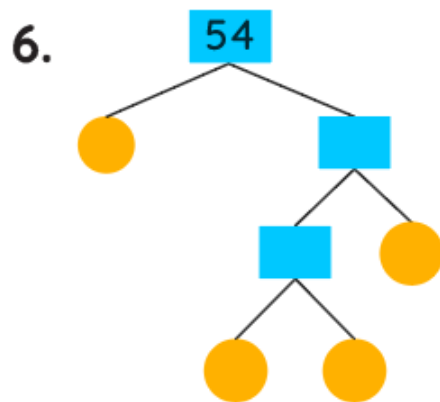
50 = \_\_\_\_\_



81 = \_\_\_\_\_



100 = \_\_\_\_\_



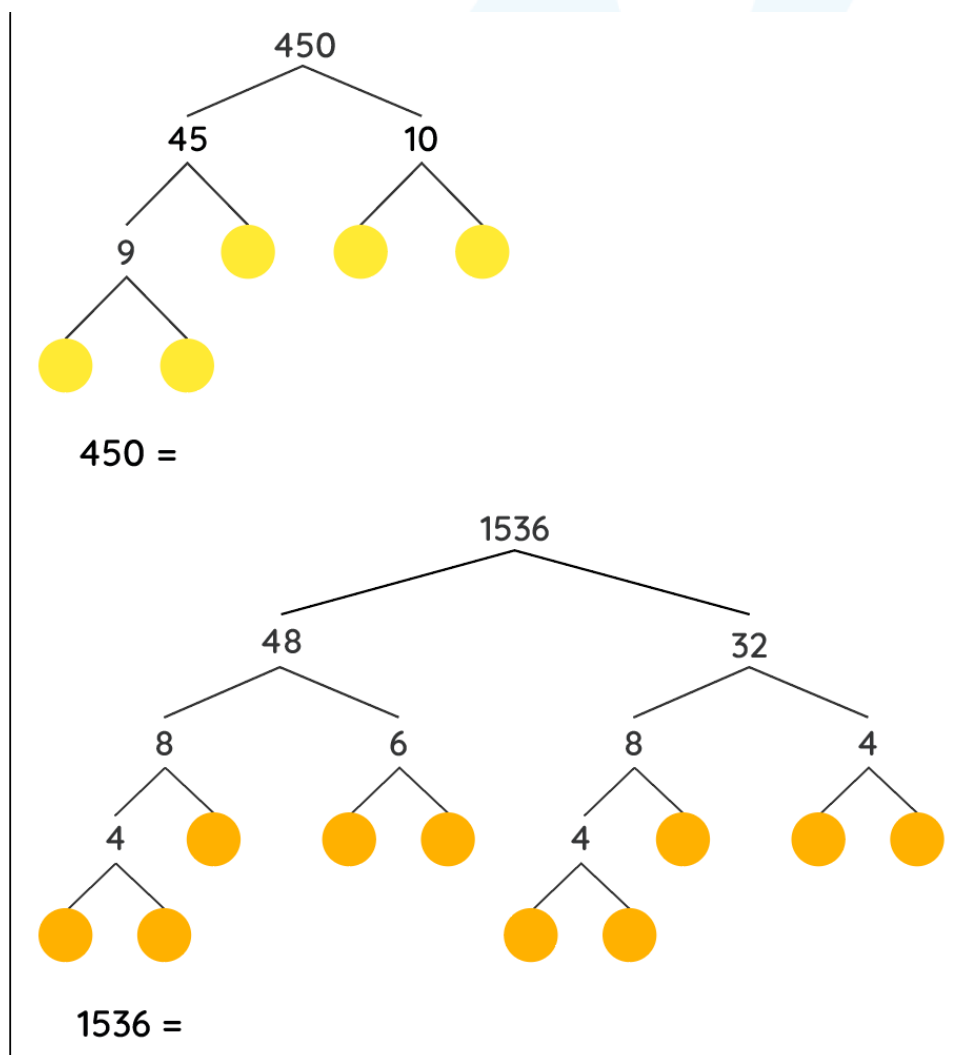
54 = \_\_\_\_\_

7. Write the sum of all the prime factors of 450. (Count each factor only once)

8. I am a product of three different prime numbers. My largest prime factor is 13. I am between 185 and 200. Who am I?

9. Jamie says to Rachel that the prime factorization of 72 is  $2 \times 2 \times 3 \times 7$ . Is he right? If no, where is he mistaken?

10. Complete the missing prime factors in the factor tree. Write the prime factorization underneath.



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in an interesting way,  
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## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1.	$2 \times 2 \times 2 \times 11$
2.	$2 \times 2 \times 2 \times 2 \times 3$
3.	$2 \times 3 \times 3 \times 3$
4.	$2 \times 3 \times 3 \times 7$
5.	$2 \times 2 \times 2 \times 2$
6.	$3 \times 3 \times 3 \times 3$
7.	10
8.	195 ( $3 \times 5 \times 13 = 195$ )
9.	Incorrect; $72 = 2 \times 2 \times 2 \times 3 \times 3$
10.	<b>1536</b> = $2^9 \times 3$

## FUN FACT

- An easy trick to remember the order of PEMDAS is "Please Excuse My Dear Aunt Sally".
- Many mnemonics following order of operations are used along with PEMDAS worldwide, like BODMAS, BEDMAS, and BIDMAS.

